

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 02052-079004	Application No. 10/637,620
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Manus P. Henry et al.	
		Filing Date August 11, 2003	Group Art Unit 1732 285 7

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m/b	AA	Re 29,383	09/00/77	Gallatin et al.	137	14	
m/b	AB	Re 31,450	11/29/83	Smith	73	861.352	
m/b	AC	3,956,682	05/11/76	Van Dyck	318	640	
m/b	AD	4,419,898	12/13/83	Zanker et al.	73	861.02	
m/b	AE	4,422,338	12/27/83	Smith	73	861.356	
m/b	AF	4,491,025	01/01/85	Smith et al.	73	861.355	
m/b	AG	4,688,418	08/25/87	Cheung et al.	73	29.01	
m/b	AH	4,727,746	03/01/88	Mikasa et al.	73	23.31	
m/b	AI	4,757,390	07/12/88	Mehrgardt et al.	386	34	
m/b	AJ	4,773,257	09/27/88	Aslesen et al.	73	61.44	
m/b	AK	4,782,711	11/08/88	Pratt	73	861.356	
m/b	AL	4,801,897	01/31/89	Flecken	331	65	
m/b	AM	4,817,448	04/04/89	Hargarten et al.	73	861.356	
m/b	AN	4,823,614	04/25/89	Dahlin	73	861.357	
m/b	AO	4,852,410	08/01/89	Corwon et al.	73	861.355	
m/b	AP	4,879,911	11/00/89	Zolock	73	861.356	
m/b	AQ	4,891,991	01/00/90	Mattar et al.	73	861.357	
m/b	AR	4,895,030	01/23/90	Bergamini et al.	73	861.355	
m/b	AS	4,911,006	03/00/90	Hargarten et al.	73	198	
m/b	AT	4,911,020	03/00/90	Thompson	73	861.356	
m/b	AU	4,934,195	06/00/90	Hussain	73	861.355	
m/b	AV	4,934,196	06/19/90	Romano	73	861.356	
m/b	AW	4,996,871	03/00/91	Romano	73	32A	
m/b	AX	5,027,662	07/00/91	Titlow et al.	73	861.356	
m/b	AY	5,029,482	07/09/91	Liu et al.	73	861.04	
m/b	AZ	5,050,439	09/00/91	Thompson	73	861.356	
m/b	BA	5,052,231	10/01/91	Christ et al.	73	861.356	

Examiner Signature <i>Manuel Z. Bolen</i>	Date Considered 11/1/04
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U.S. Patent Documents							
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m/b	BB	5,054,326	10/08/91	Mattar	73	861.355	
m/b	BC	5,218,869	06/15/93	Pummer	73	629	
m/b	BD	5,228,327	07/20/93	Bruck	73	1.34	
m/b	BE	5,259,250	11/09/93	Kolpak	73	861.355	
m/b	BF	5,271,281	12/00/93	Mattar et al.	73	861.355	
m/b	BG	5,343,764	09/00/94	Matter et al.	73	861.355	
m/b	BH	5,347,874	09/20/94	Kalotay et al.	73	861.357	
m/b	BI	5,400,653	03/28/95	Kalotay et al.	73	861.355	
m/b	BJ	5,429,002	07/04/95	Coleman	73	861.356	
m/b	BK	5,469,748	11/28/95	Kalotay	73	861.356	
m/b	BL	5,497,665	03/00/96	Cage et al.	73	861.356	
m/b	BM	5,497,666	03/12/96	Patten et al.	73	861.355	
m/b	BN	5,535,632	07/16/96	Kolpak	73	861.04	
m/b	BO	5,555,190	09/00/96	Derby et al.	702	45	
m/b	BP	5,570,300	10/00/96	Henry et al.	702	45	
m/b	BQ	5,578,764	11/26/96	Yokoi et al.	73	861.356	
m/b	BR	5,594,180	01/00/97	Carpenter et al.	73	861.356	
m/b	BS	5,648,616	07/15/97	Keel	73	861.356	
m/b	BT	5,654,502	08/05/97	Dutton	73	152.18	
m/b	BU	5,687,100	11/11/97	Buttler et al.	702	137	
m/b	BV	5,774,378	06/00/98	Yang	702	104	
m/b	BW	5,804,741	09/08/98	Freeman	73	861.356	
m/b	BX	5,926,096	07/20/99	Mattar et al.	340	606	
m/b	BY	5,969,264	10/19/99	Rivkin	73	861.355	
m/b	BZ	6,073,495	06/13/00	Stadler	73	861.356	
m/b	CA	6,092,429	07/25/00	Cunningham et al.	73	861.35	
m/b	CB	6,311,136 B1	10/30/01	HENRY et al.	702	45	

Examiner Signature <i>Manuel Z. Baker</i>	Date Considered 11/1/04
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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
m/b	CC	EP 0 698 783 A1	28 FEB 1996	EUROPE			ABS	
m/b	CD	EP 0 702 212 A2	20 MAR 1996	EUROPE			English	
m/b	CE	EP 0696726A	14 FEB 1996	EPO				
	CF	EP 0827096	04-MAR-1998	EUROPE				
	CG	WO 00/10059	24 FEB 2000	WIPO				
	CH	WO 93/21505	28-OCT-1993	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	CI	A.F. Skea, "Effects of Gas Leaks in Oil Flow on Single-Phase Flowmeters", <i>Flow Measurement and Instrumentation</i>, Vol. 10, pp 146-150 (1999)
m/b	CJ	David Spitzer; "Mass Flowmeters"; <i>Industries Flow Measurement, Chapter 12</i> ; pp. 197-210; 1990
	CK	E. Luntta et al., "Neural Network Approach to Ultrasonic Flow Measurements", <i>Flow Measurement and Instrumentation</i>, Vol. 10, pp 35-43, 1999
m/b	CL	J. Hemp et al.; "On the Theory and Performance of Coriolis Mass Flowmeters"; <i>Proceedings of the International Conference on Mass Flow Measurement Direct and Indirect</i> ; IBC Technical Services; 40 pages; February 1989
	CM	J.-Reimann, "Developments in Two-Phase Mass Flow Rate Instrumentation", pp 339-402
	CN	J.T. Grumski et al., "Performance of a Coriolis-type Mass Flow Meter in the Measurement of Two-phase (air-liquid) Mixtures", ASME Fluid Engineering Division Publication FED, Vol. 17, pp 75-84, 1984
m/b	CO	Joseph DeCarlo; "True Mass-Flow Measurement"; <i>Fundamentals of Flow Measurement, Unit 11-2</i> ; pp. 208-220; 1984
m/b	CP	M. Henry et al., "The Implications of Digital Communications on Sensor Validation", Report No. QUEL 1912/92, University of Oxford, Department of Engineering Science, April 1992
m/b	CQ	M.P. Henry et al., "A New Approach to Sensor Validation", Improving Analyser Performance, IMC, March 17, 1992
	CR	M.P. Henry et al., "A Self-Validating Digital Coriolis-Mass-flow-Meter" (1), overview, 1999
m/b	CS	M.P. Henry et al., "A standard Interface for Self-Validating Sensors", Report No. QUEL 1884/91, University of Oxford, Department of Engineering Science, Sept. 1991
m/b	CT	M.P. Henry et al., "Signal processing, Data Handling and Communications: The Case for Measurement Validation", March 1992
	CU	M.P. Henry et al., "The Self-Validating Sensor: Rationale Definitions and Examples", <i>Control Engineering Practice</i>, 1 (4), pp 585-610, 1993
m/b	CV	M.P. Henry, "Intelligent Behaviour For Self-Validating Sensors", <i>Advances in Measurement</i> , pp 1-7 date unknown

Examiner Signature <i>[Signature]</i>	Date Considered 11/4/04
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Other Documents (include Author, Title, Date, and Place of Publication)		
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_____	CW	M.P. Henry, "Self-Validation Improves Coriolis Meter", <i>Control Engineering</i> , 42(6), pp 81-86 (1995)
_____	CX	M.P. Henry, "Sensor Validation and Fieldbus", <i>IEE Computing and Control Engineering Journal</i> , 6 (6), pp 263-269
_____	CY	R.P. Liu et al., "A Neural Network to Correct Mass Flow Errors Caused by Two Phase Flow in a Digital Coriolis Mass Flow Meter", Engineering Science Department, Oxford University
	CZ	

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